

DIGITAL pH/mV/°C meter PHH-21

Portable microprocessor instrument for acidity, voltage and temperature measurements with automatic temperature compensation.



Description

PHH-21 is portable pH-meter designed for either on-site or laboratory use. With complete waterproof design included, it provides laboratory accuracy even under field conditions.

Along with pH and temperature readouts, additionally a voltage, date, time and battery status can be displayed. pH is measured with automatic temperature compensation included.

Large-capacity memory enables saving of up to 50 records containing pH, temperature, date and time of measurement.

Calibration procedure (without automatic puffer recognition) is user-selectable in 1 or 2 points in arbitrary solutions.

Measurement and calibration are supported by error handling, which uses messages with corresponding error codes.

Comprehensive set-up menu allows access to all user-defined options. For example, user is allowed to set either English or Serbian language, operating temperature, communication parameters, etc.

Significant benefit of PHH-21 is utilization of standard communication protocol for full-duplex serial communication to PC. Standard package includes Windows® application for data acquisition and processing of measurement results acquired from one or several instruments, as well as remote instrument control.

Specifications

RANGE	0~14pH, -1024~1024mV, -10~80°C
RESOLUTION	0.01pH, 0.25mV, 0.1°C
ACCURACY	±0.01pH, ±0.25mV, ±0.1°C
Connector (pH)	BNC
Connector (temp.)	Mini stereo jack 3.5 mm, 3 pin
Connector (power supply / RS232C)	Mini DIN, 6 pin
Display	LCD 2 x 16 characters, 16 x 18 mm
RS-232C	1200-9600 bps, 8N1
Communication protocol	MODBUS/ASCII (up to 16 different addresses)
Power supply	9V battery or network adapter via serial port
RTC power supply	Lithium battery, 3V
Memory capacity	4 KB, 50 records
Enclosure Dimensions (H x W x D):	152 x 83 x 34 mm

